

Multiple Section Network

Example with MLC and 3 ISR networks of different size and numbering

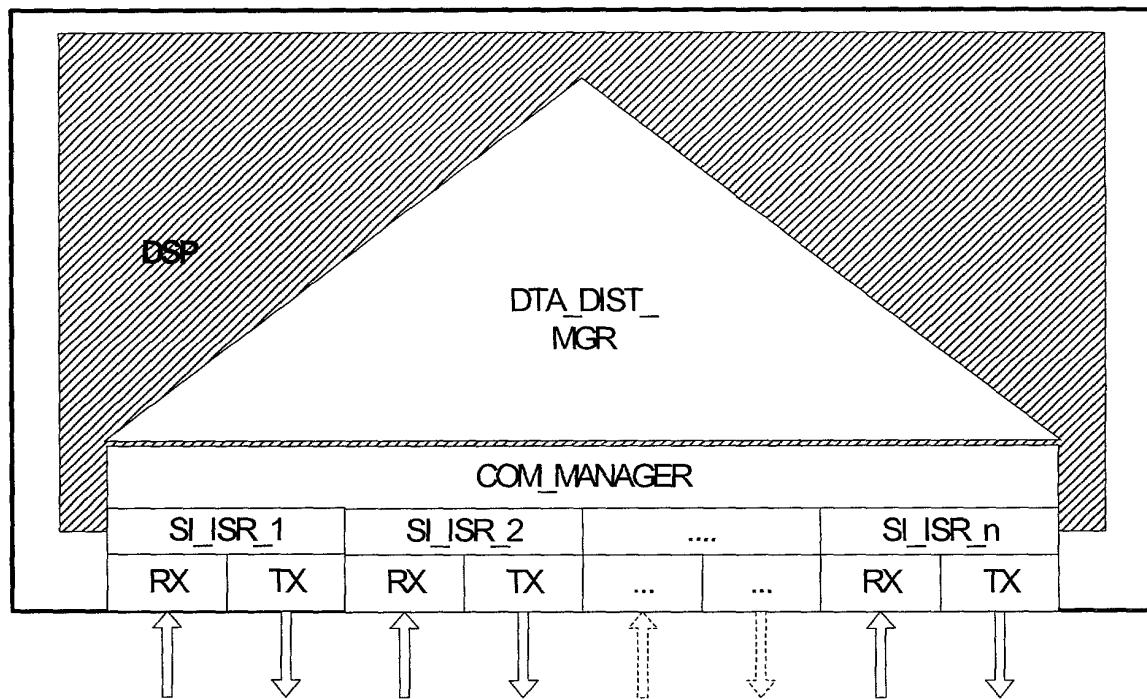
DSP - digital signal processor

SI_PLC - serial interface to process control network
(not drawn)

SI_ISR - serial interface to inter SDC network

SI_DRV - serial interface to drive network (not drawn)

Fig. 1



MLC - Multi Link Controller

DSP - digital signal processor

DTA_DIST_MGR - module to manage the data flow between the networks

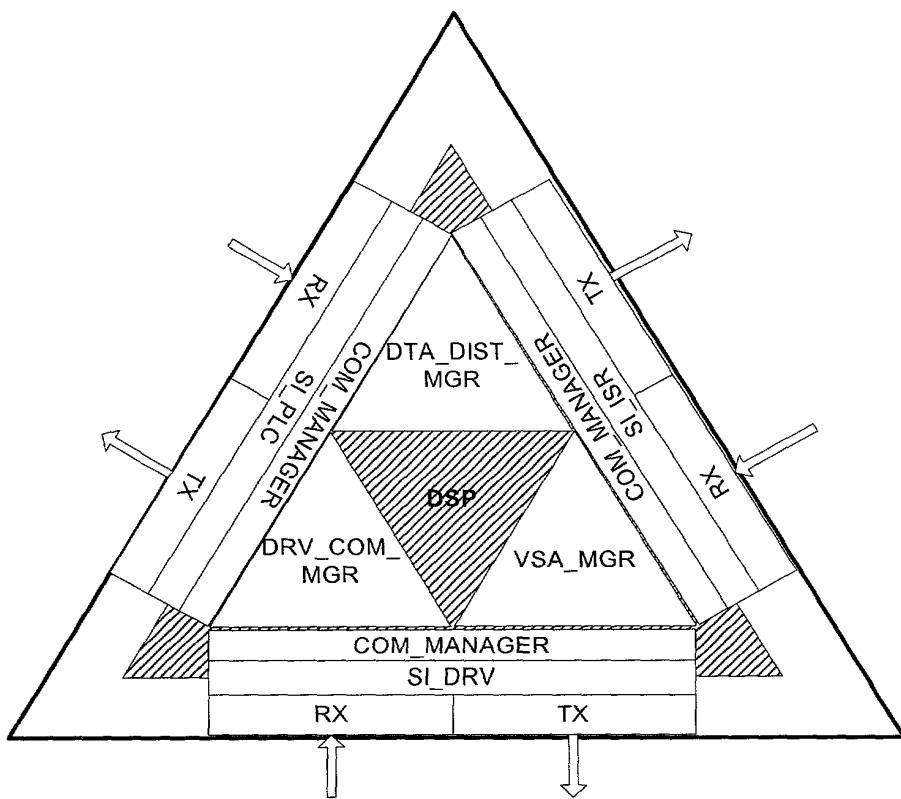
SI_ISR_x - serial interface to inter SDC network x

COM_MANAGER - modules to manage the communication over that interface

TX - transmit interface at communication interface

RX - receive interface at communication interface

Fig. 2



SDC - SyncDrive Controller

DSP - digital signal processor
 DRV_COM_MGR - module to manage the data flow from and to drive network
 VSA_MGR - module to manage the virtual synchronisation axis function
 DTA_DIST_MGR - module to manage the data flow between the networks
 SI_PLA - serial interface to process control network
 SI_ISR - serial interface to inter-SDC network
 SI_DRV - serial interface to drive network
 COM_MANAGER - modules to manage the communication over that interface
 TX - transmit interface at communication interface
 RX - receive interface at communication interface

Fig. 3

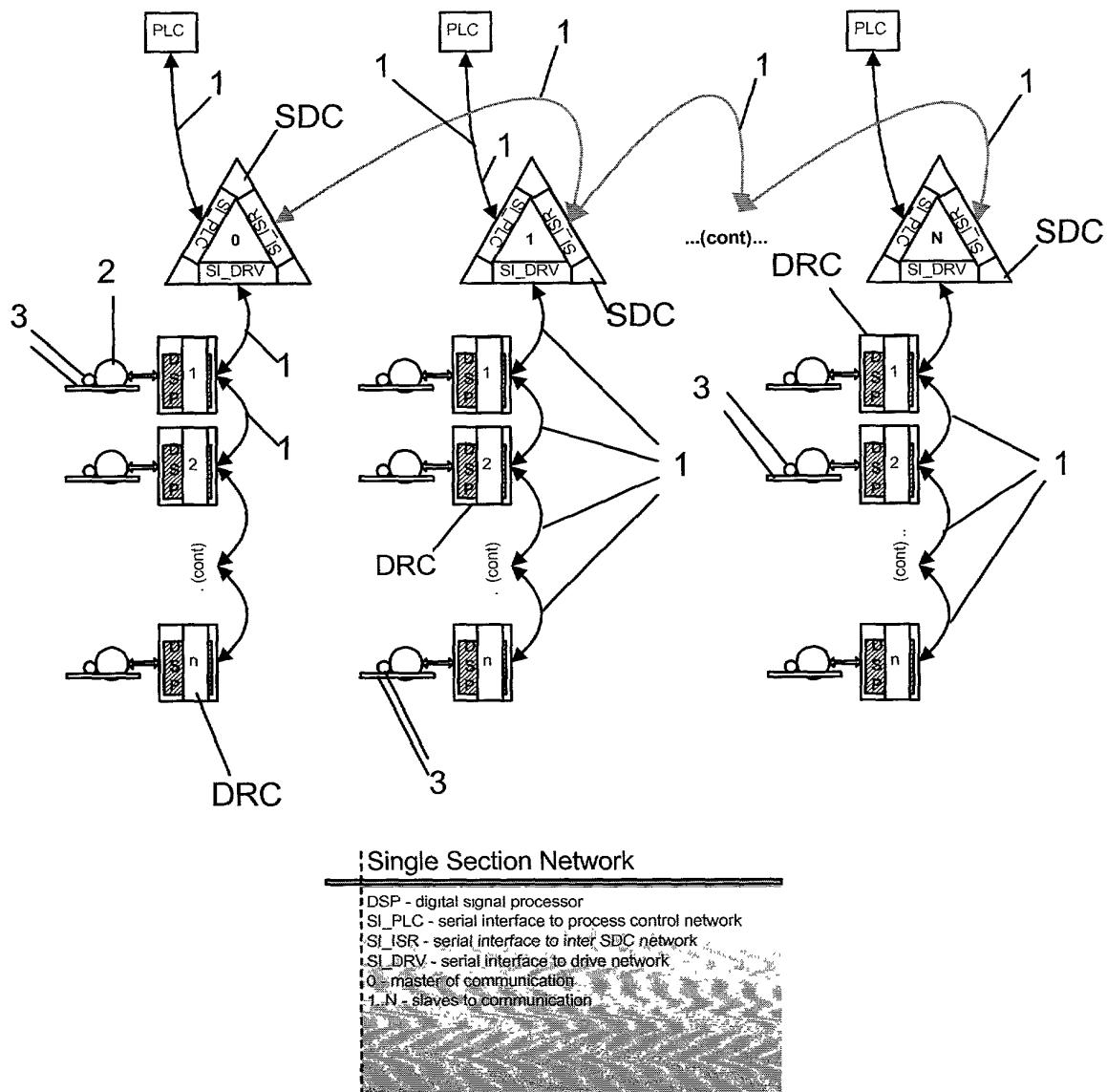


Fig. 4

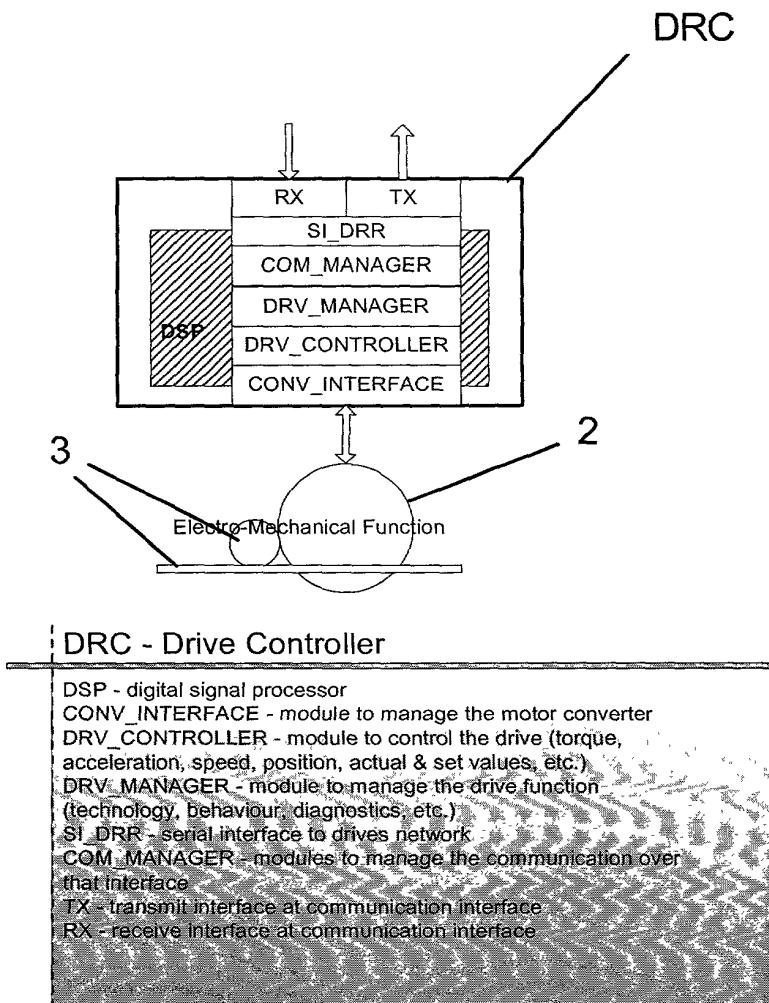


Fig. 5

VI/VIII

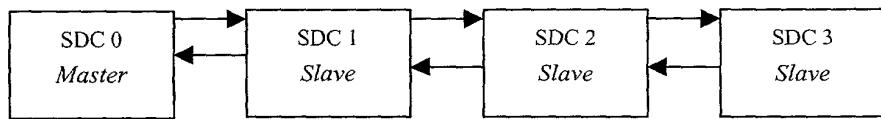


Fig. 6

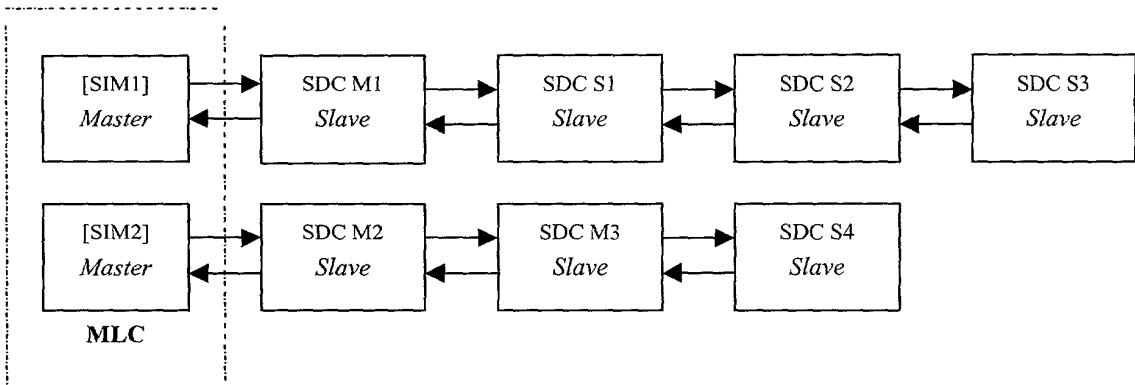


Fig. 7

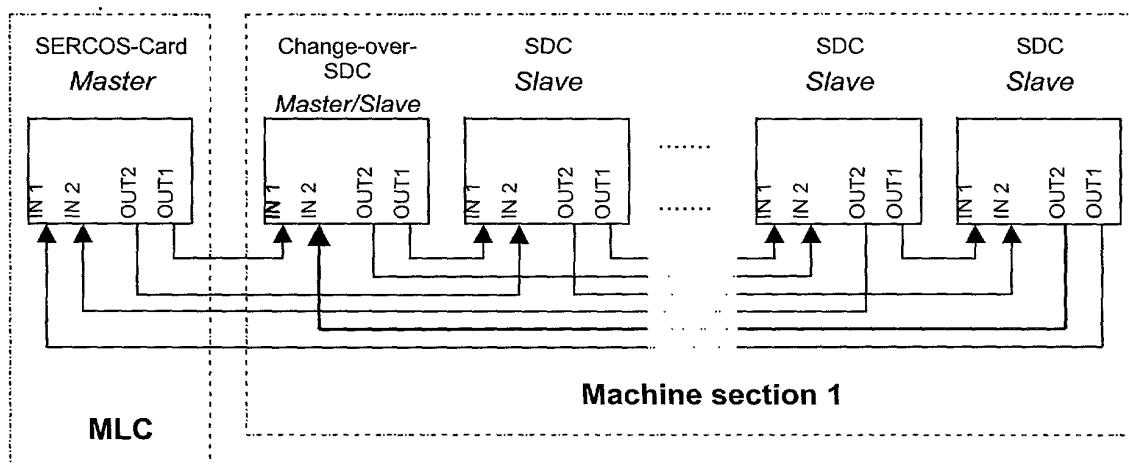


Fig. 8

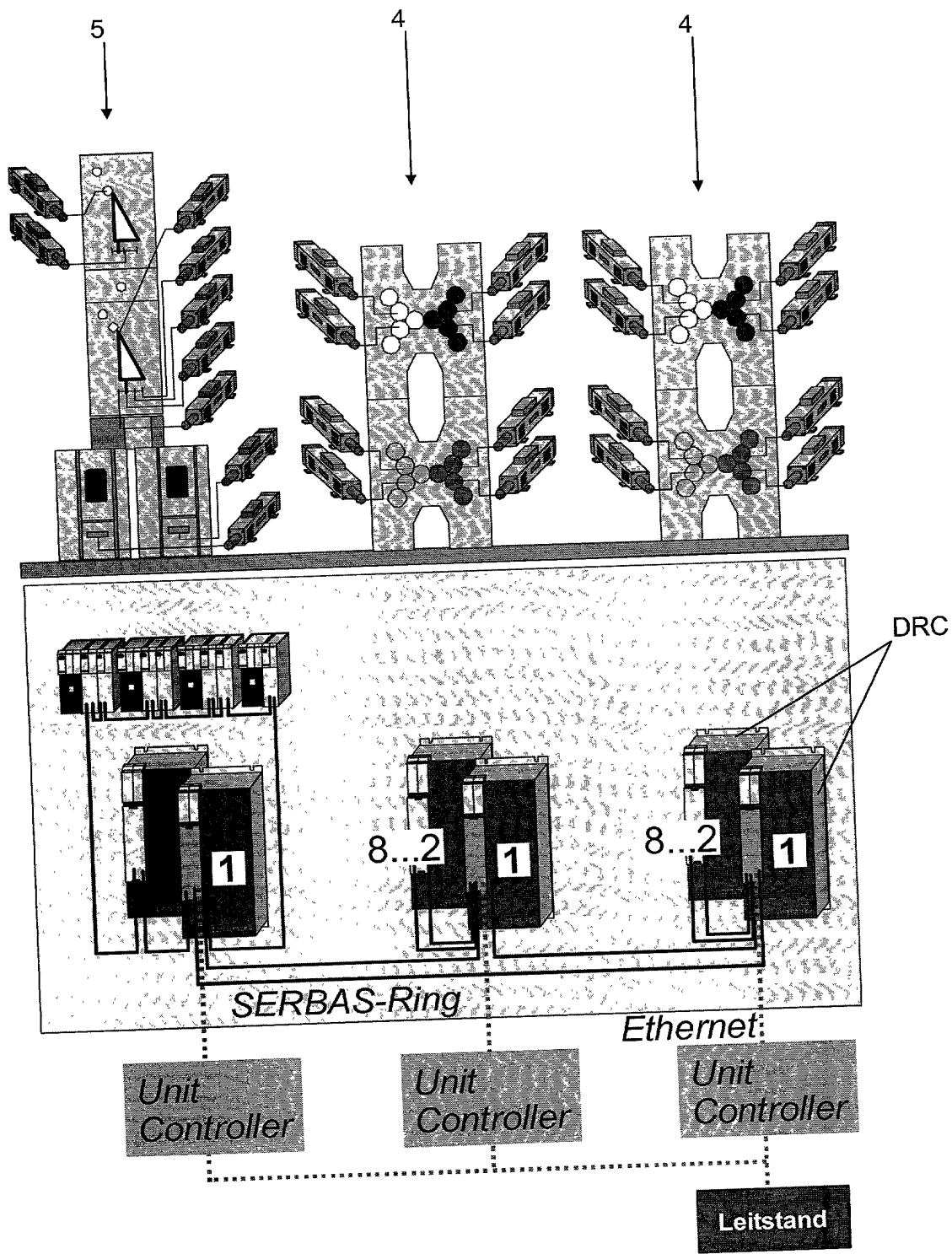


Fig. 9

Fig. 10

